

From: Dawn Ioven/R3/USEPA/US
Sent: 2/16/2012 9:54:27 AM
To: johnson.eric@epa.gov
CC:
Subject: READING FILE - Fw: Dimock - Trigger #s

----- Forwarded by Dawn Ioven/R3/USEPA/US on 02/16/2012 09:54 AM -----

From: Dawn Ioven/R3/USEPA/US
To: Kelley Chase/R3/USEPA/US@EPA
Date: 02/15/2012 02:53 PM
Subject: Re: Dimock - Trigger #s

Hi, Kelley. Sorry for not getting back to you sooner; I've been in back-to-back meetings since yesterday. I can't tell from the e-mail where the discrepancies are, but am providing feedback below in red font:

Coliform bacteria - as close to zero as possible

This is an MCL, and the closest we can get to a risk-based concentration (RBC).

Aluminum - 16,000 ug/L

This is an RBC for tap water, representing an HQ of 1 for a child resident.

Bis(2-ethylhexyl) phthalate - 7 ug/L

This is a residential RBC for tap water, representing an excess cancer risk of 1E-04.

Arsenic - 4 ug/L

The RBC for arsenic (at an excess cancer risk of 1E-04) is 4.5 ug/L. The above value (4 ug/L) is rounded down to reflect this RBC. Note that the MCL for arsenic is 10 ug/L.

Ethylene Glycol - 8,000 ug/L

For ethylene glycol, the RBC for a child resident (at an HQ of 1) is 31,000 ug/L. The presented value (8000 ug/L) was recommended by ATSDR for child receptors exposed to glycols.

Lithium

The tap water RBC for a child resident is 31 ug/L (at an HQ of 1).

2-Methoxyethanol - 78 ug/L

This is an RBC for tap water, representing an HQ of 1 for a child resident.

Manganese - 320 ug/L

This is an RBC for tap water, representing an HQ of 1 for a child resident.

Methane - 28,000 ug/L

There is not an oral Reference Dose or Cancer Slope Factor for methane. The cited value (28,000 ug/L) is a recommendation by the Department of Interior for methane in water in confined spaces (such as wells). I believe this value is based on the potential for explosion.

Sodium - 20,000 ug/L

This is a non-enforceable advisory level developed by EPA for sodium in drinking water. This value was developed to protect individuals on sodium-restricted diets.

Diethylene glycol - 8,000 ug/L

There is not an oral Reference Dose or Cancer Slope Factor for diethylene glycol. The presented value (8000 ug/L) was recommended by ATSDR for child receptors exposed to glycols.

Iron - 11,000 ug/L

This is an RBC for tap water, representing an HQ of 1 for a child resident.

Triethylene glycol - 8,000 ug/L

There is not an oral Reference Dose or Cancer Slope Factor for triethylene glycol. The presented value (8000 ug/L) was recommended by ATSDR for child receptors exposed to glycols.

Hope this helps, Kelley. If you have any questions, please let me know. Thanks.

Dawn

Dawn A. Ioven, toxicologist
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From: Kelley Chase/R3/USEPA/US
To: Dawn Ioven/R3/USEPA/US@EPA
Date: 02/14/2012 03:18 PM
Subject: Dimock - Trigger #s

Dawn - I will call you to discuss this. Thanks - Kelley

----- Forwarded by Kelley Chase/R3/USEPA/US on 02/14/2012 03:18 PM -----

From: **Ex. 4 - CBI**
To: Kelley Chase/R3/USEPA/US@EPA
Cc: **Ex. 4 - CBI**; John Gilbert/CI/USEPA/US@EPA
Date: 02/14/2012 03:09 PM
Subject:

Kelley,

Attached is the Trigger's table that we have received. We were also given a list for the quick screening analytes. The following was for the quick screening analytes:

Coliform bacteria - as close to zero as possible
Aluminum - 16,000 ug/L
Bis(2-ethylhexyl) phthalate - 7 ug/L
Arsenic - 4 ug/L
Ethylene Glycol - 8,000 ug/L
Lithium
2-methoxyethanol - 78 ug/L

Manganese - 320 ug/L
Methane - 28,000 ug/L
Sodium - 20,000 ug/L
Diethylene glycol - 8,000 ug/L
Iron - 11,000 ug/L
Triethylene glycol - 8,000 ug/L

Some of the numbers are different between the two and some are on one list, but not the other. Would it be possible to clarify which screening numbers we are using?

Thanks,

Ex. 4 - CBI

Lockheed Martin
2890 Woodbridge Avenue
Bldg. 209 Annex
Woodbridge, NJ 08837

Ex. 4 - CBI

[attachment "Triggers.xlsx" deleted by Dawn Ioven/R3/USEPA/US]